

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-08-29 11:32:40  
Date of Next Testing: 2029-08-28 11:32:40  
Product Name: **1,4-Butanediol**  
CAS Number: 110-63-4  
Specifications & Purity:  $\geq 99\%$   
Lot #: H2518012  
SKU #: **B110391**  
Version: **1**  
Analysis #: **483957**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Density (20°C)	1.016-1.019	1.02
Purity(GC)	99-100 (%)	99.08 %
Water by Karl Fischer	0-0.1 (%)	0.02 %
Refractive index n <sub>20</sub> /D	1.444-1.448	1.45
Appearance (B110391)	White Solid to Colorless Viscous Liquid	White Solid to Colorless Viscous Liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager